

Title: Contact Start Plasma Arc Torch and Method of  
Initiating A Pilot Arc  
Inventor(s): Joseph P. Jones et al.  
Atty. Dkt. # 9858-000018

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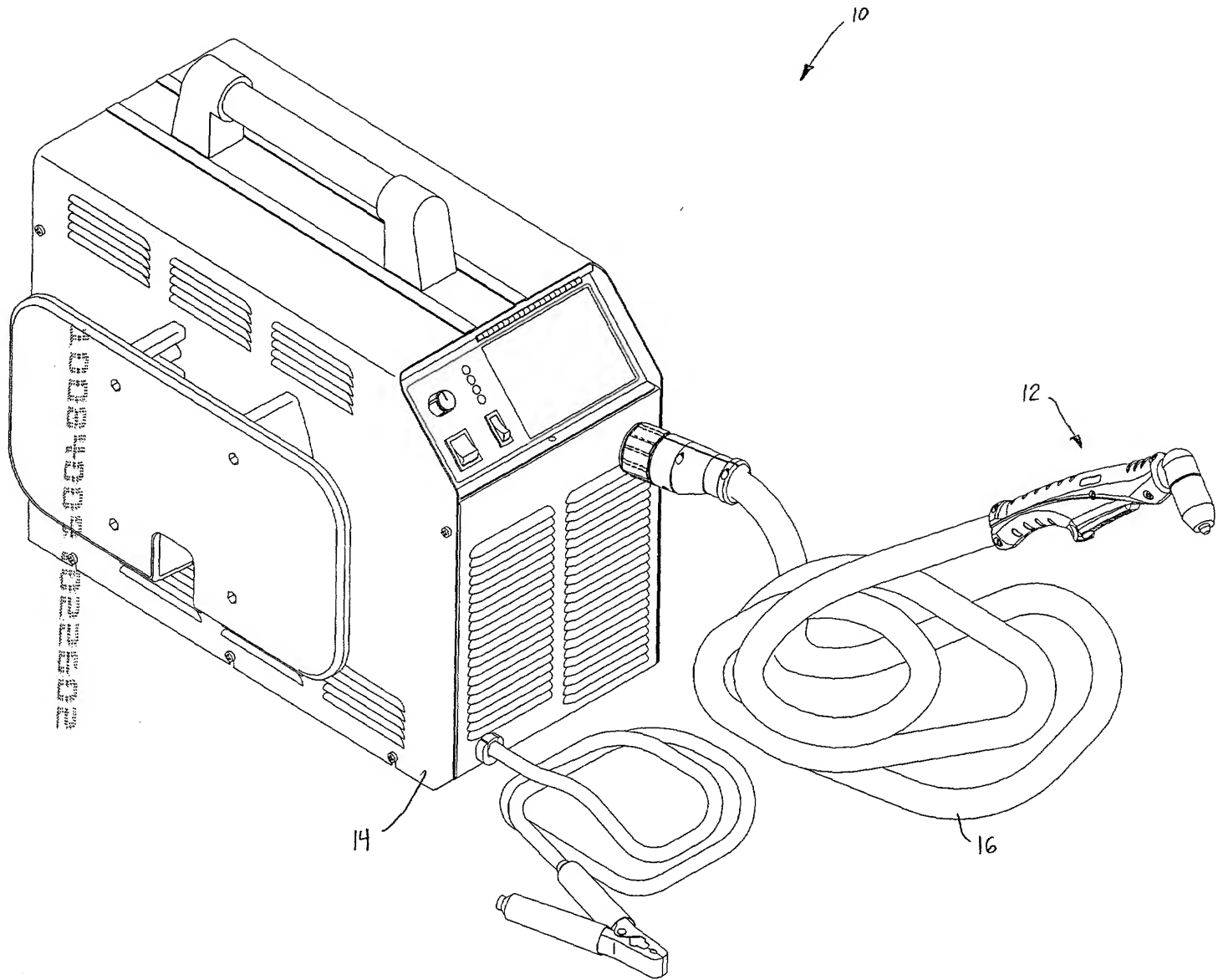


FIGURE 1

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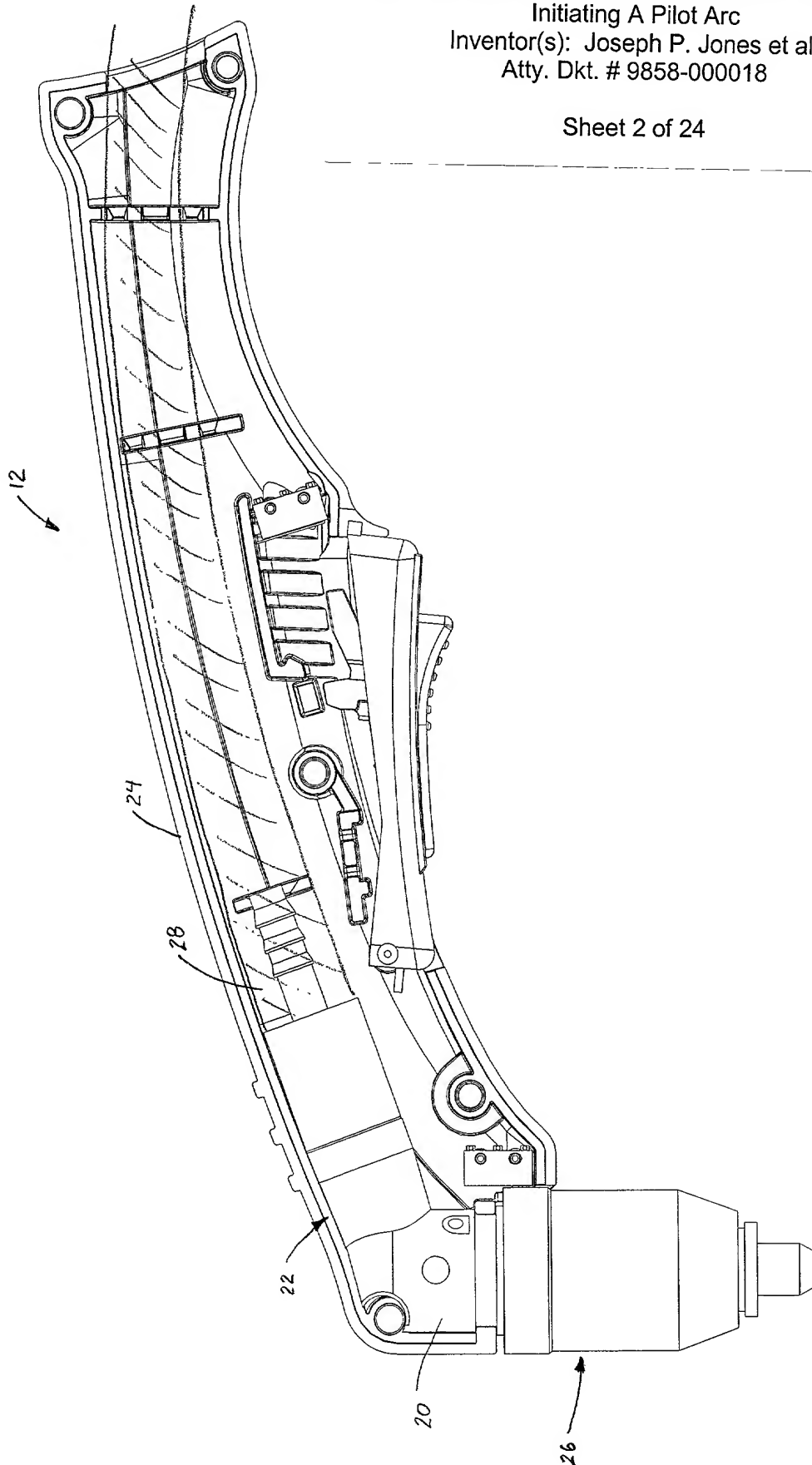


FIGURE 2

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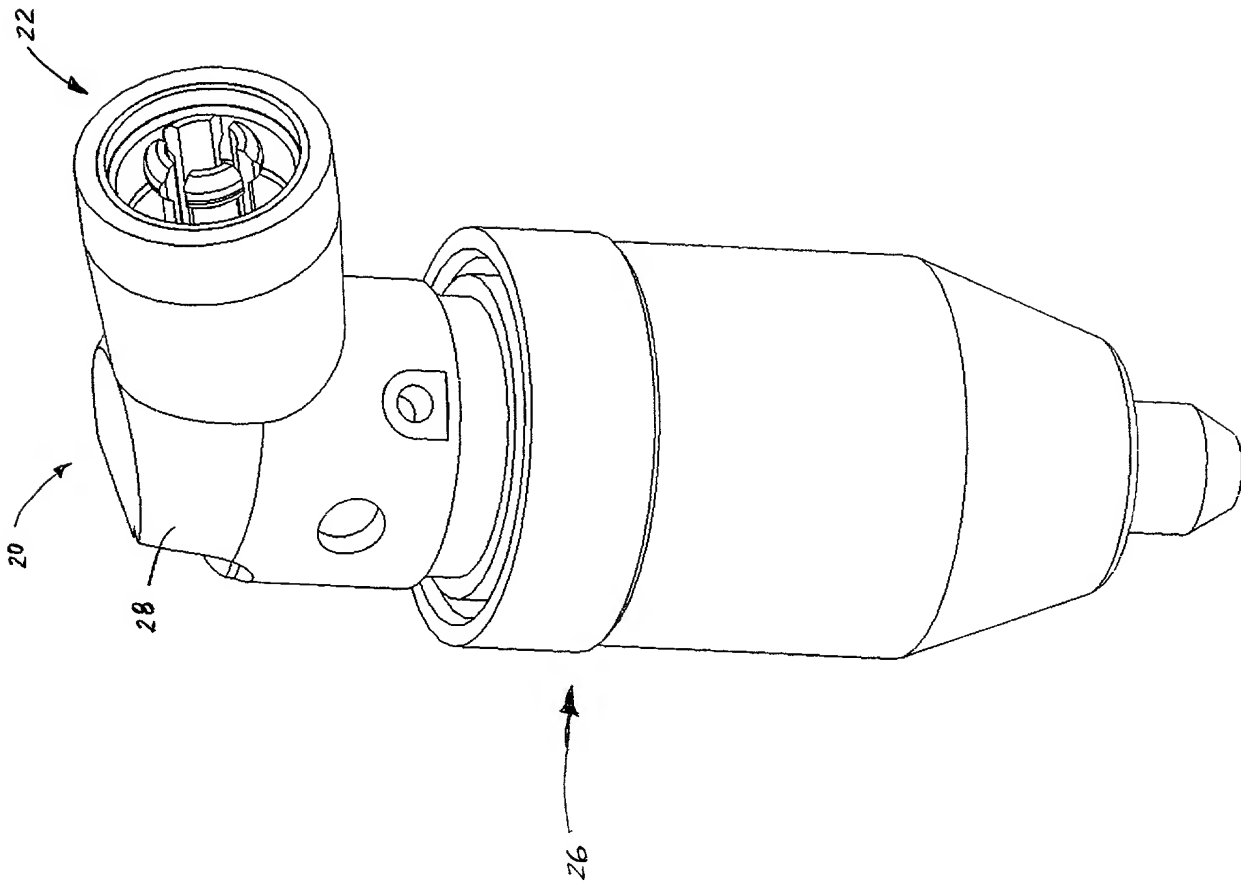


FIGURE 3

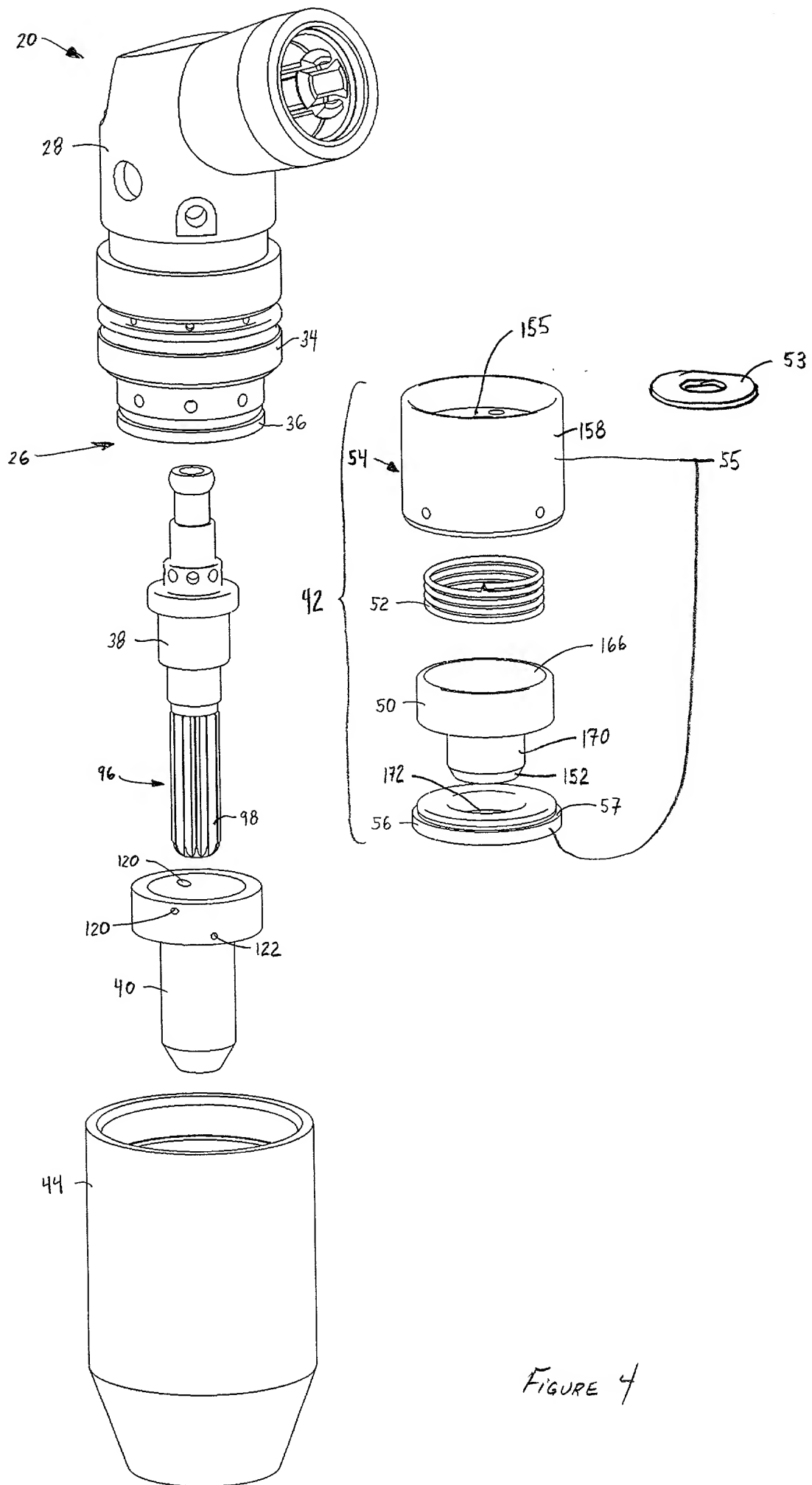


FIGURE 4

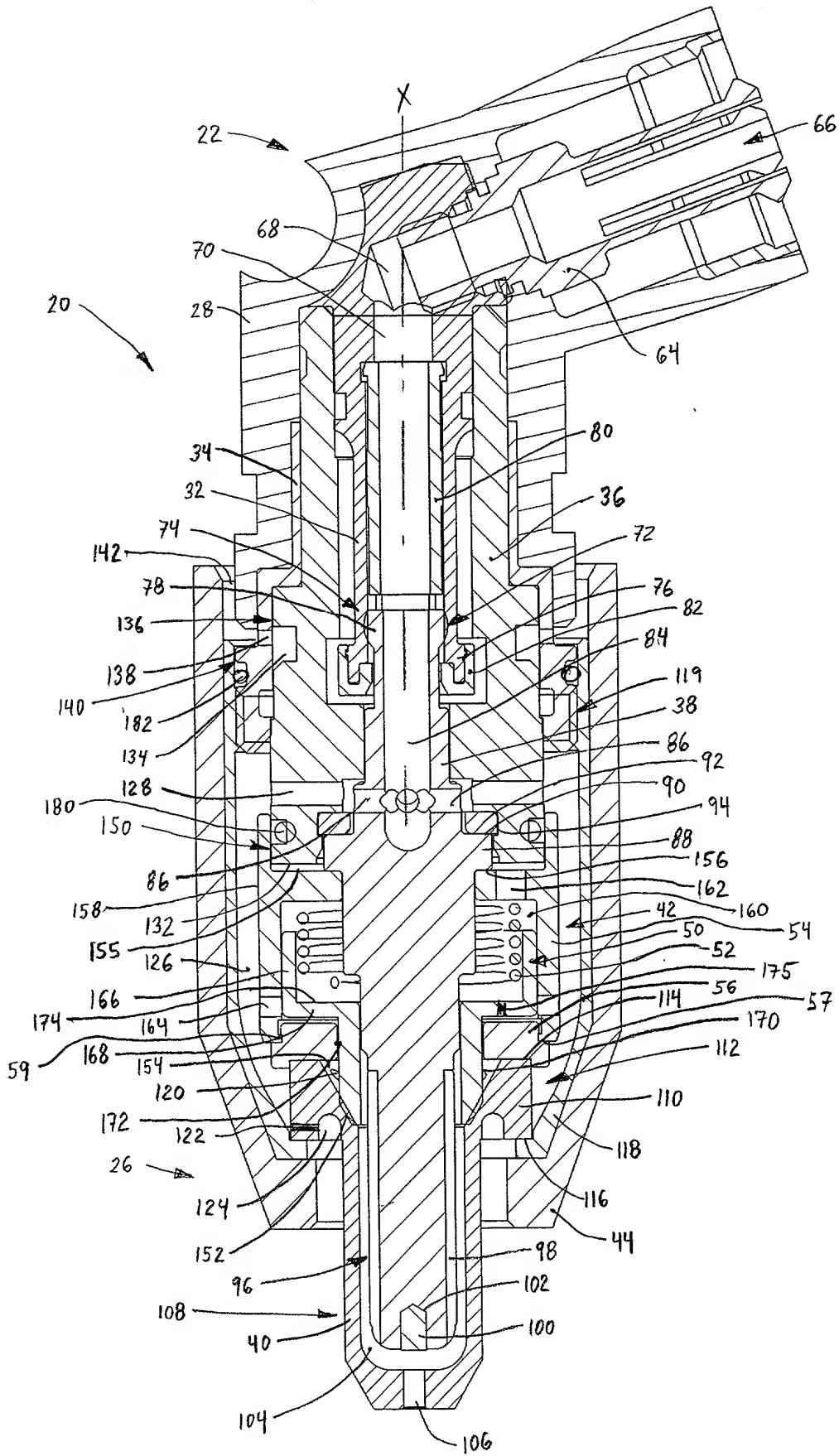


FIGURE 5

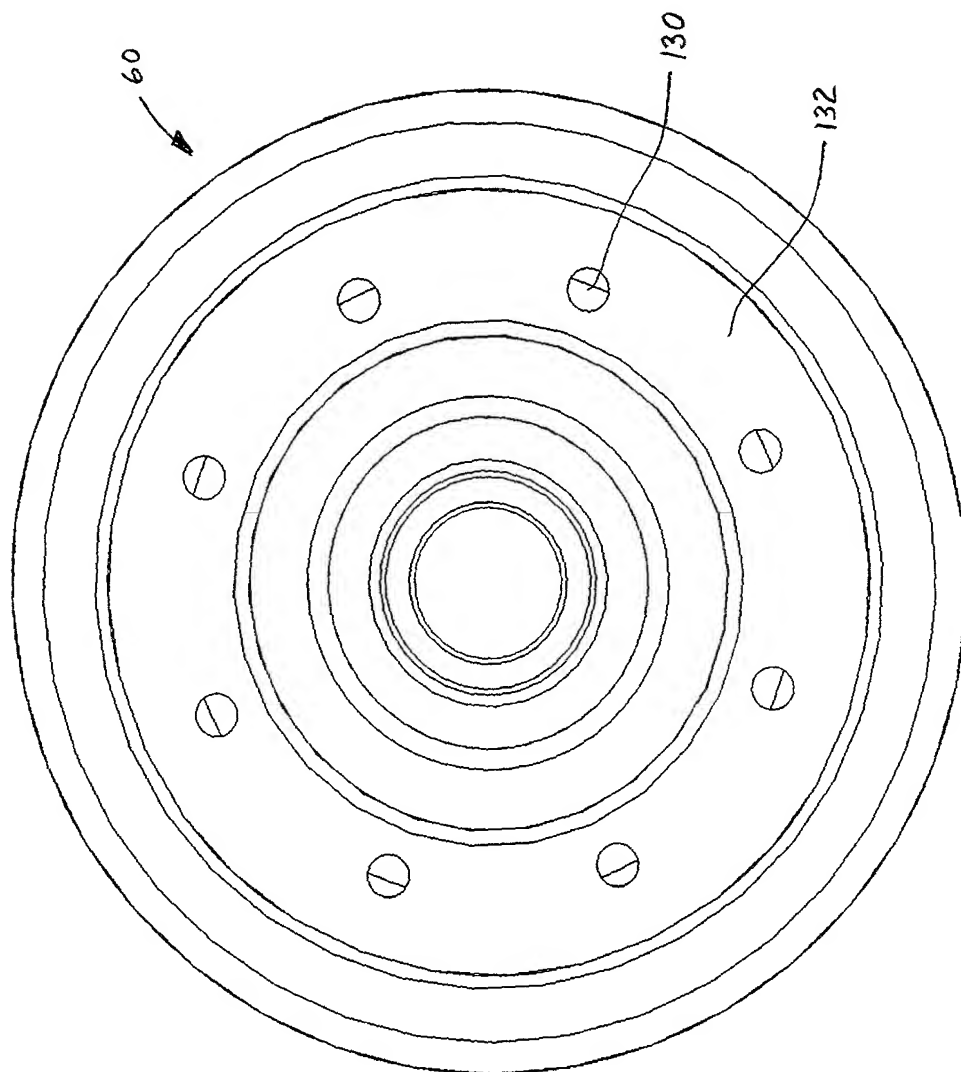
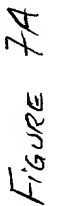


FIGURE 6



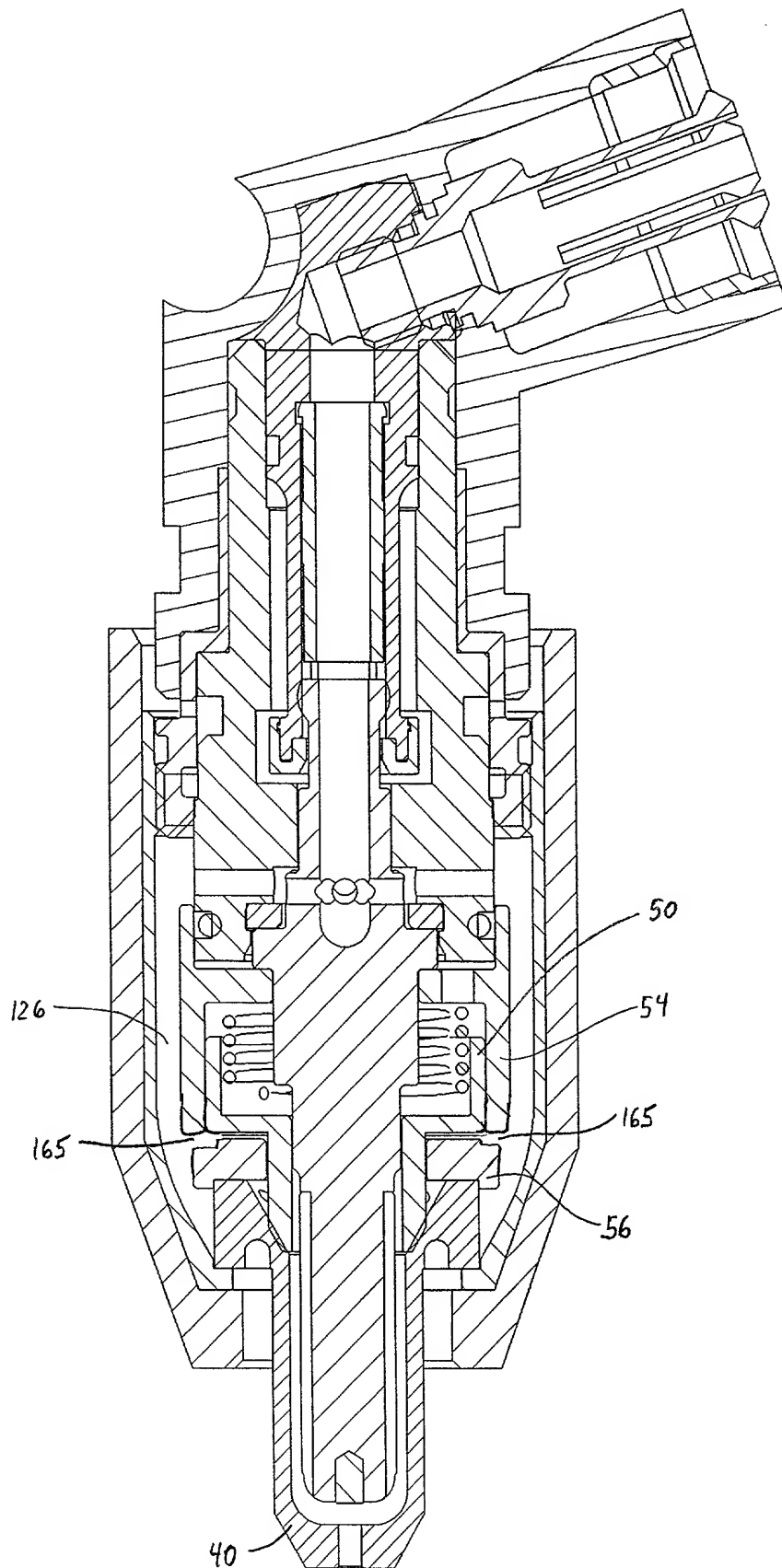


FIGURE 7C



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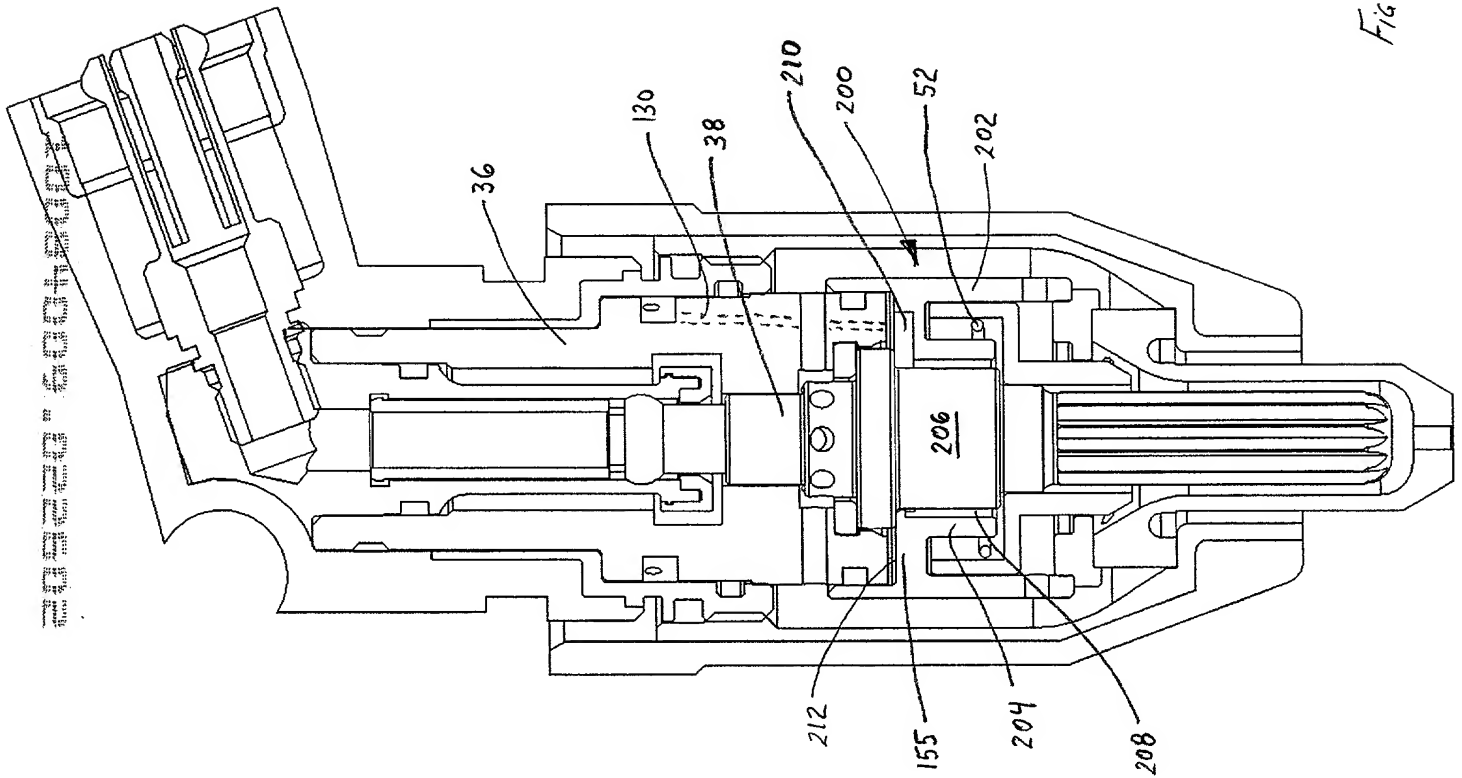


FIGURE 8

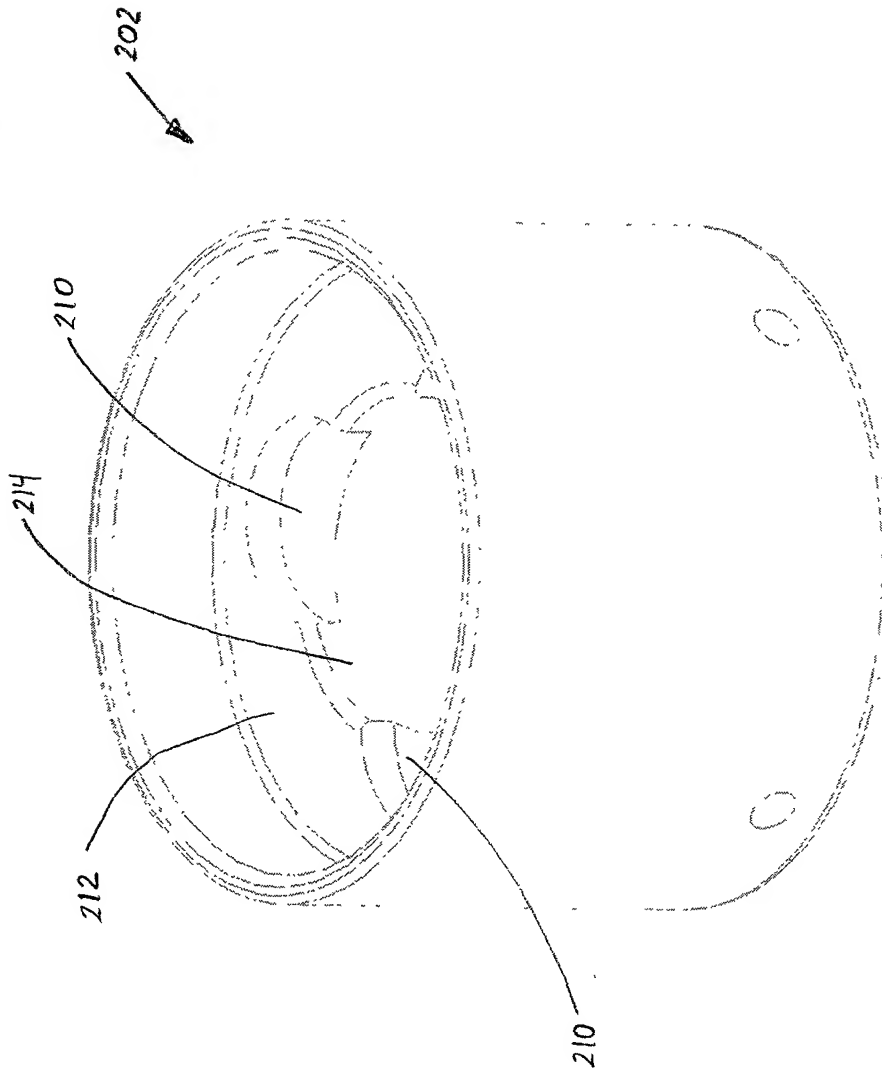


FIGURE 9

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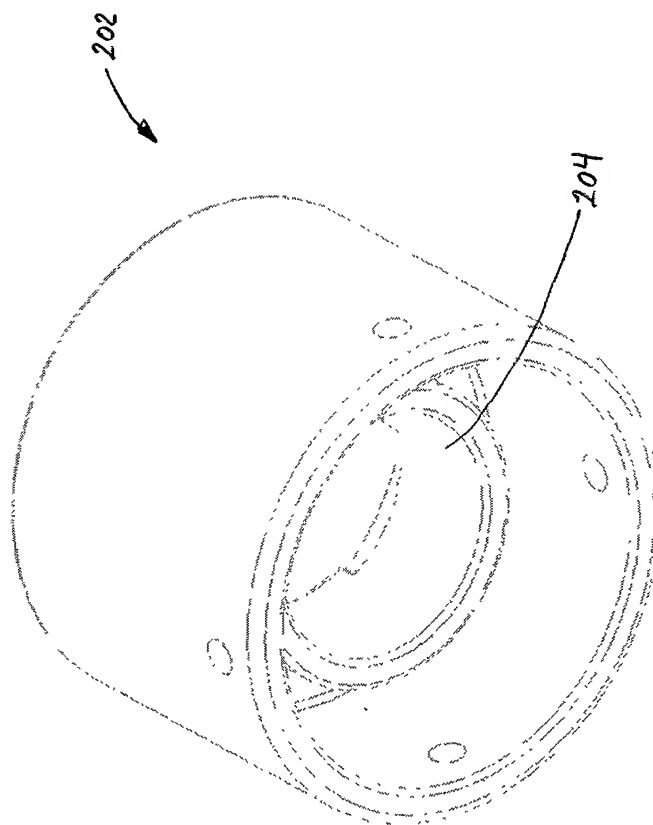


FIGURE 10

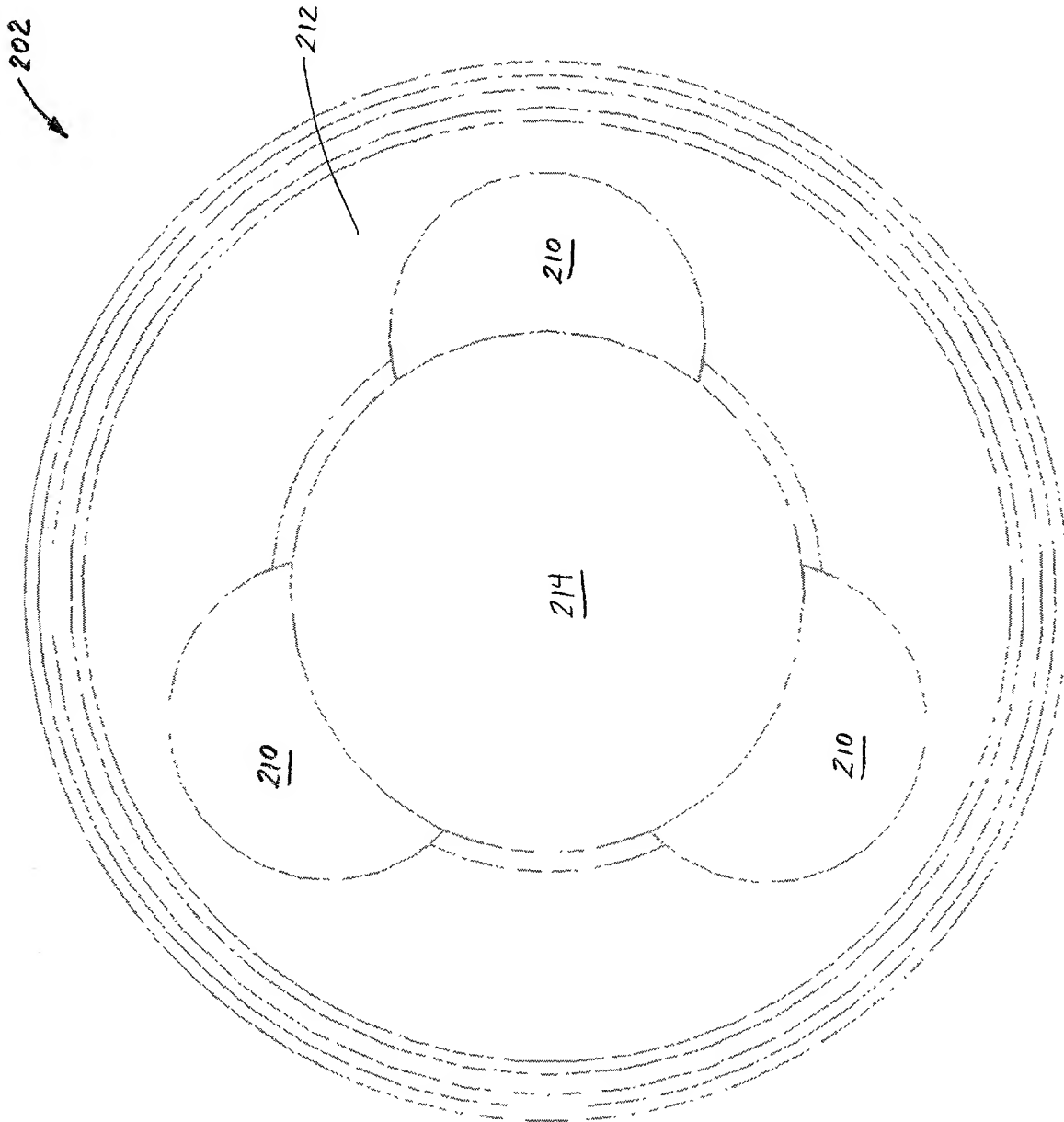


FIGURE 11

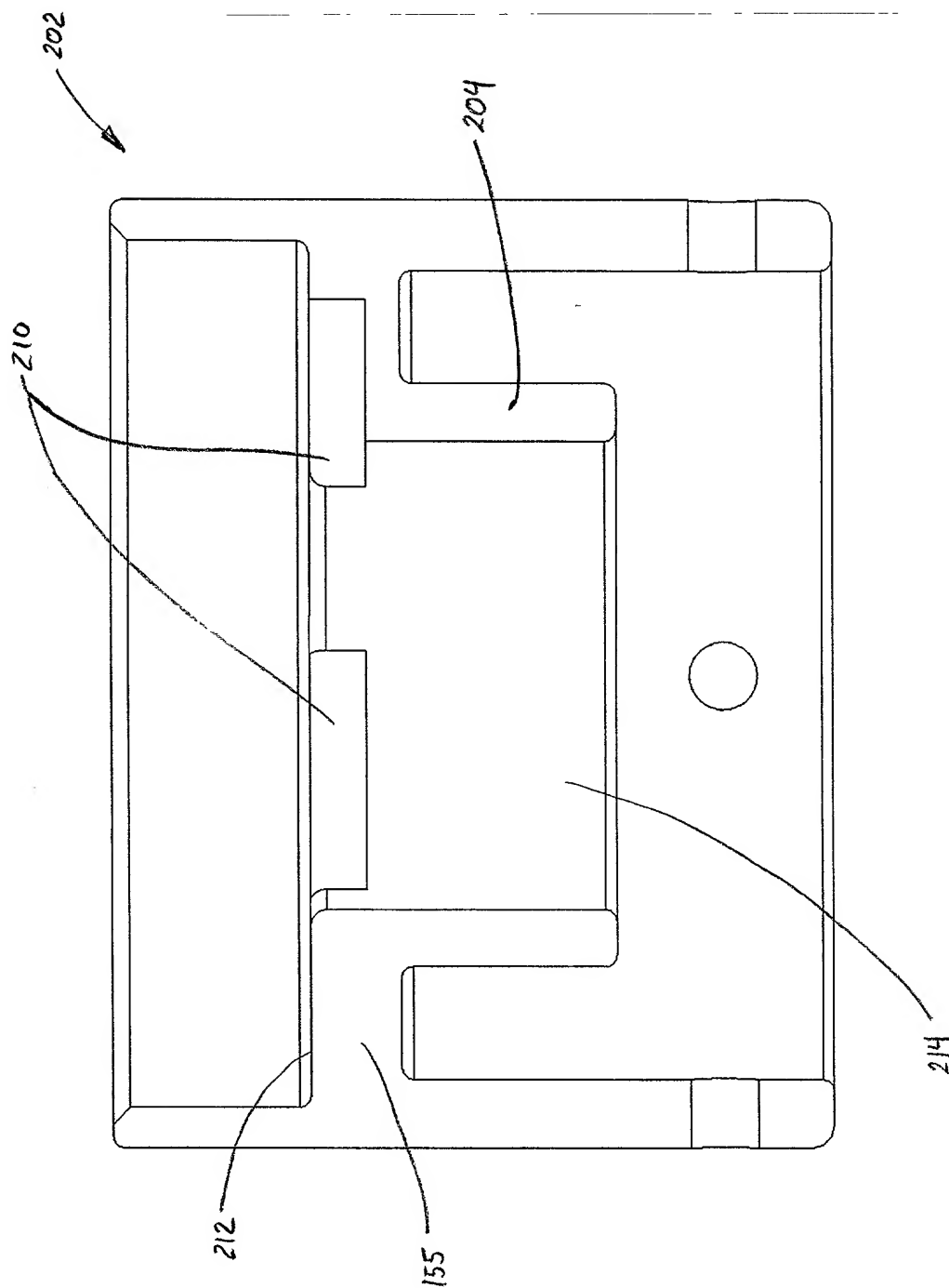
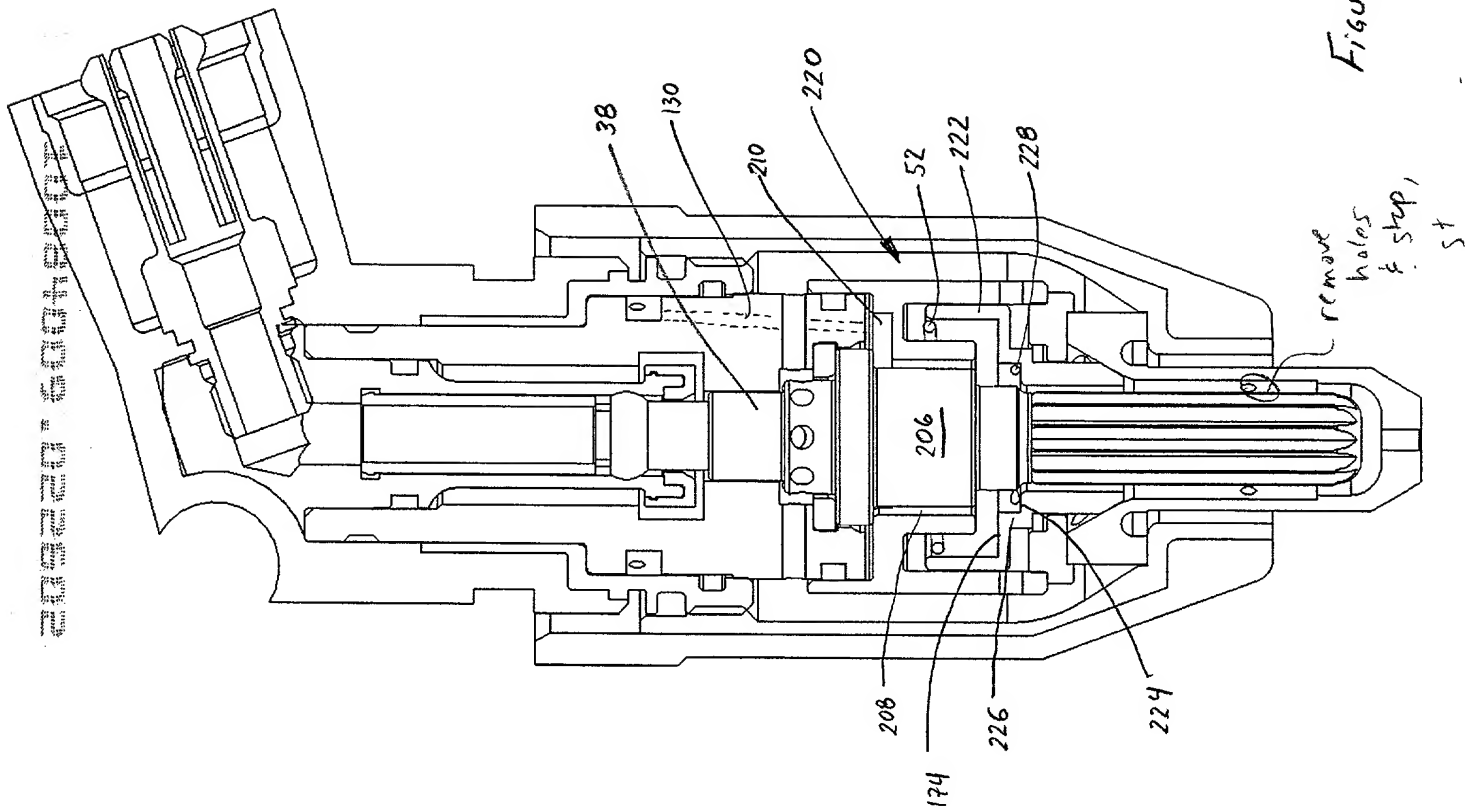


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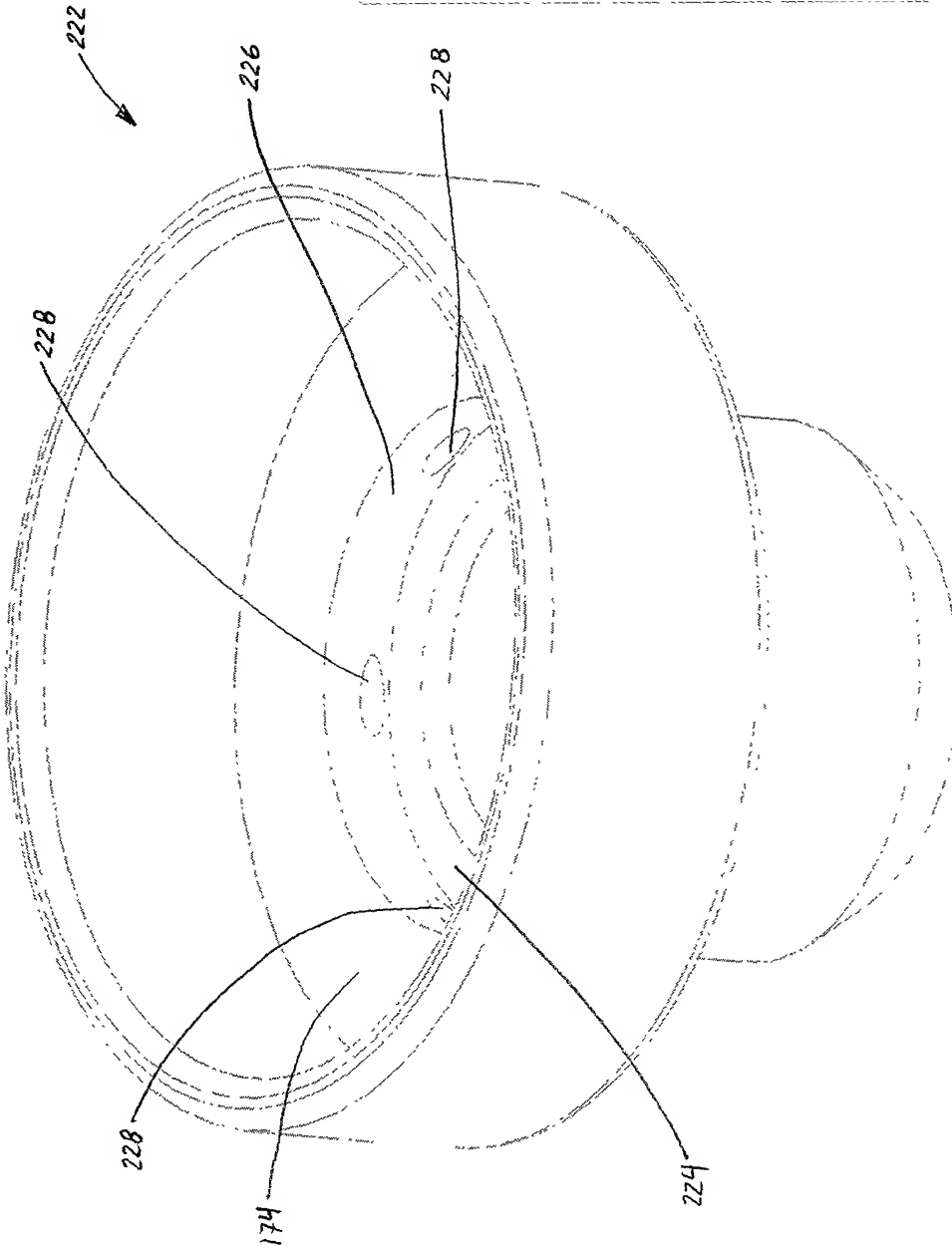


FIGURE 14

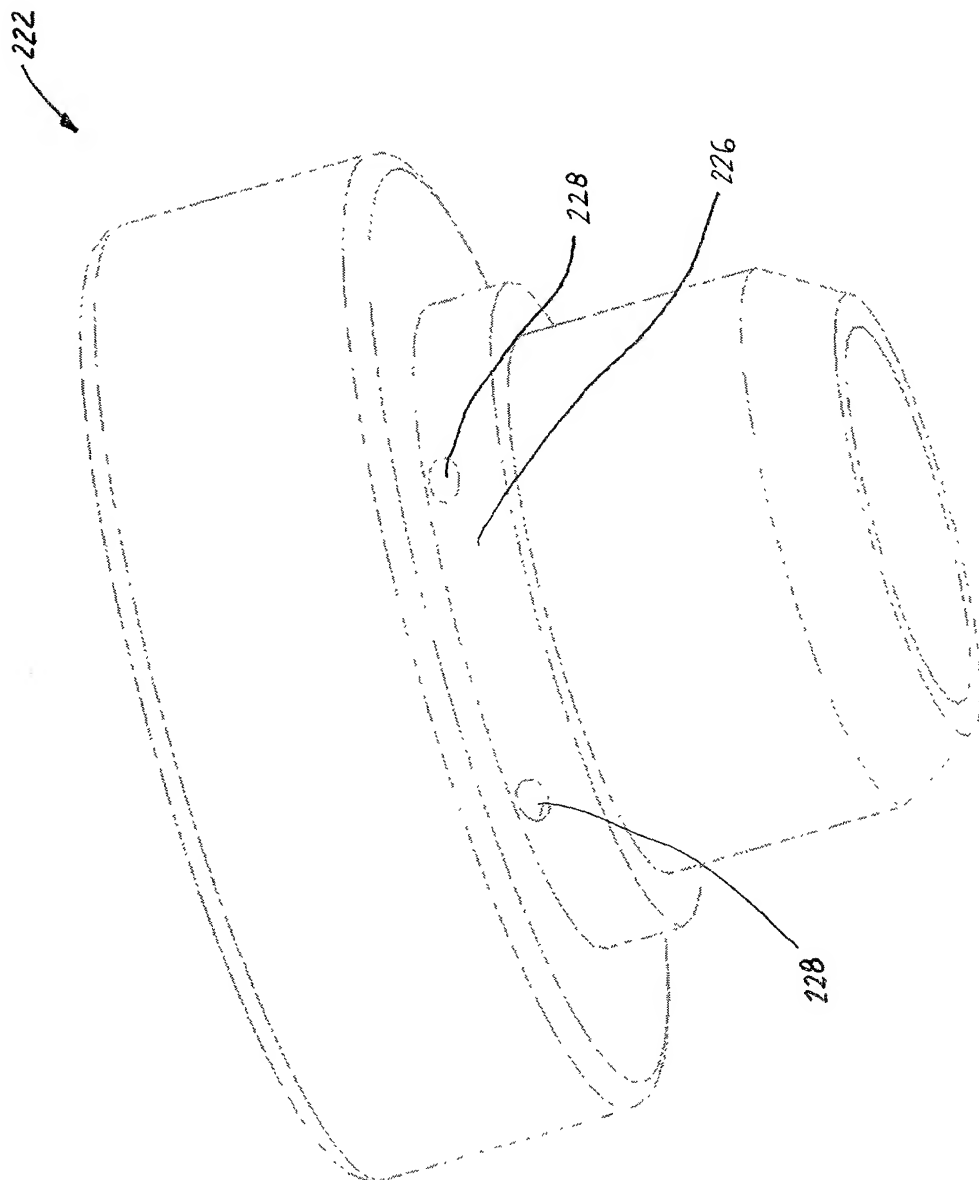


FIGURE 15



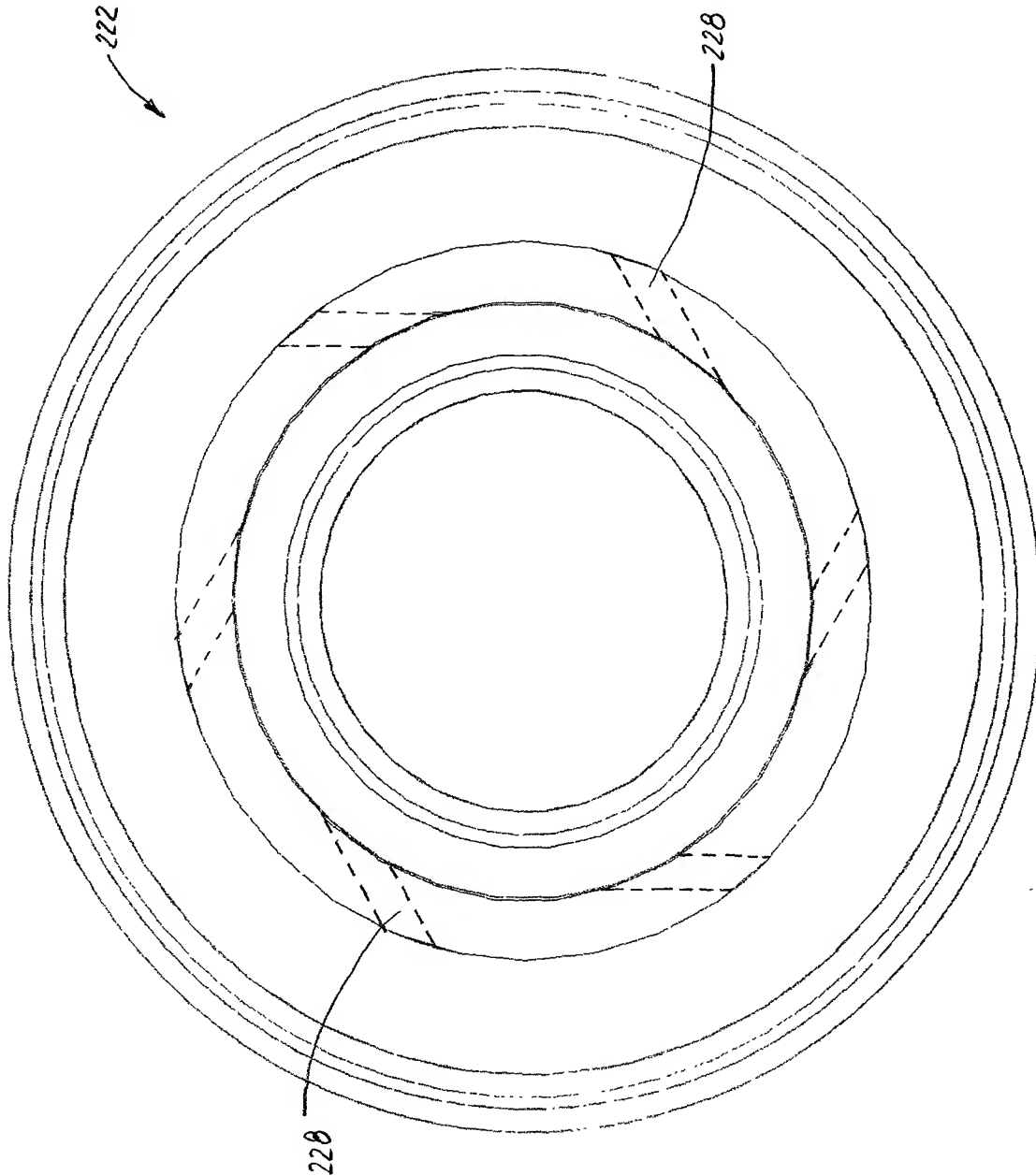


Figure 16

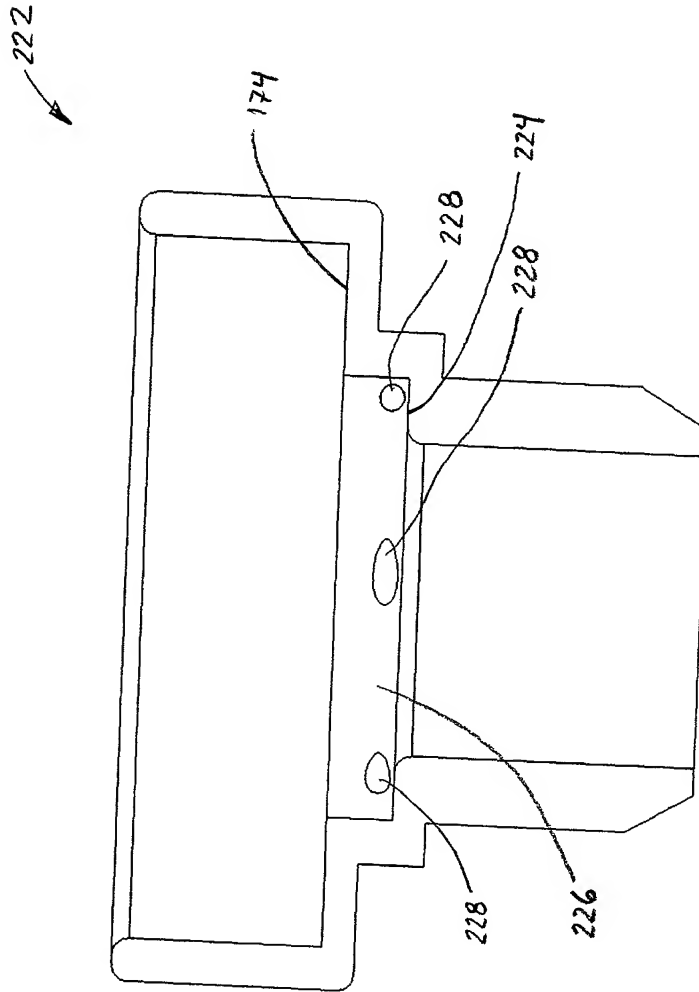


FIGURE 17

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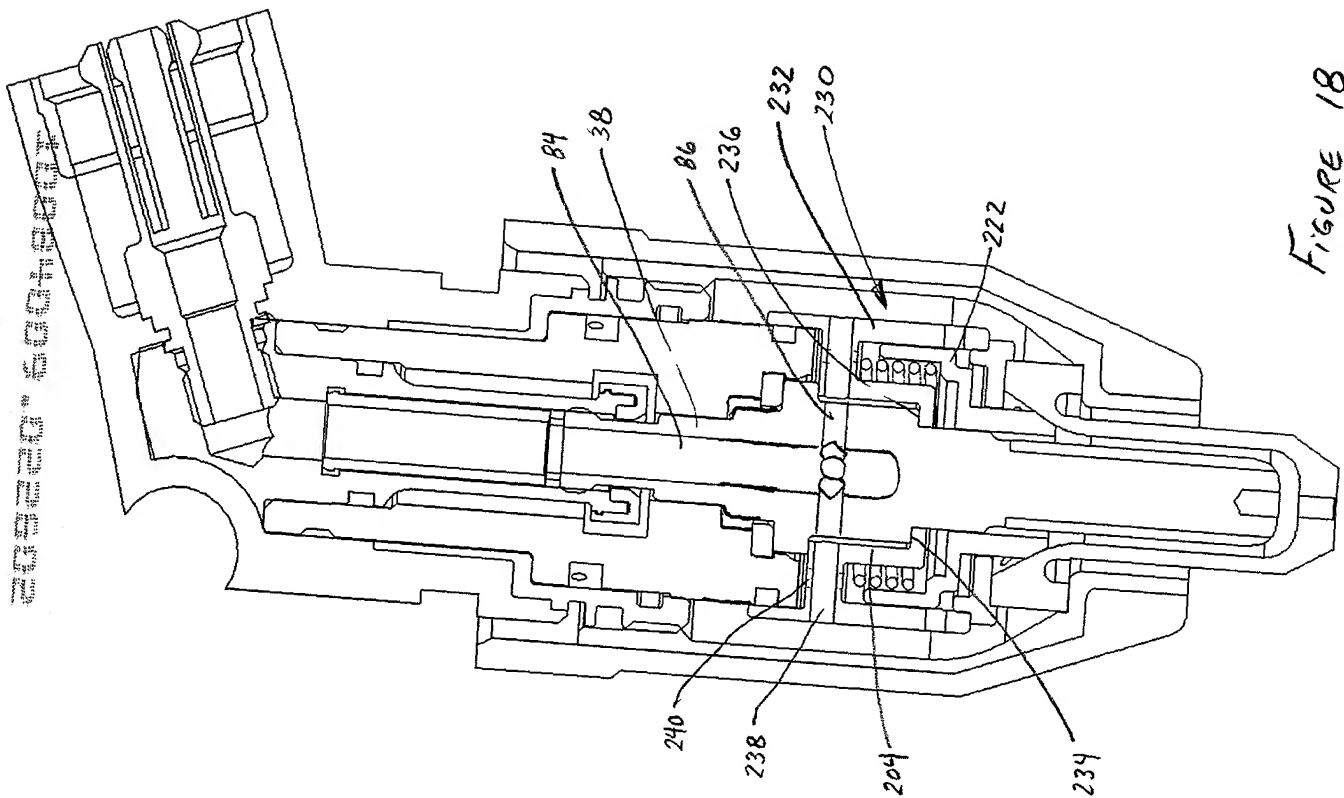


FIGURE 18

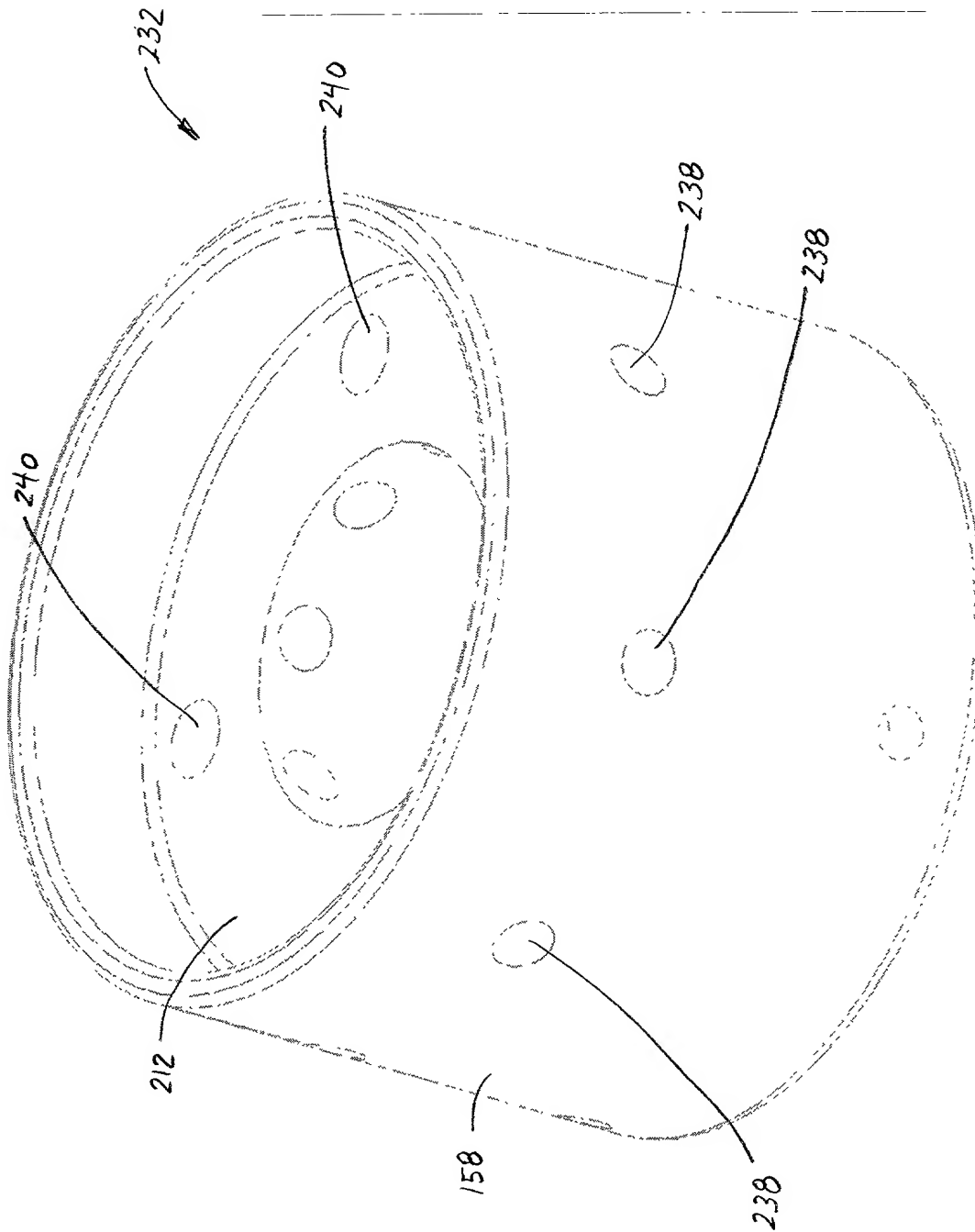


Figure 19

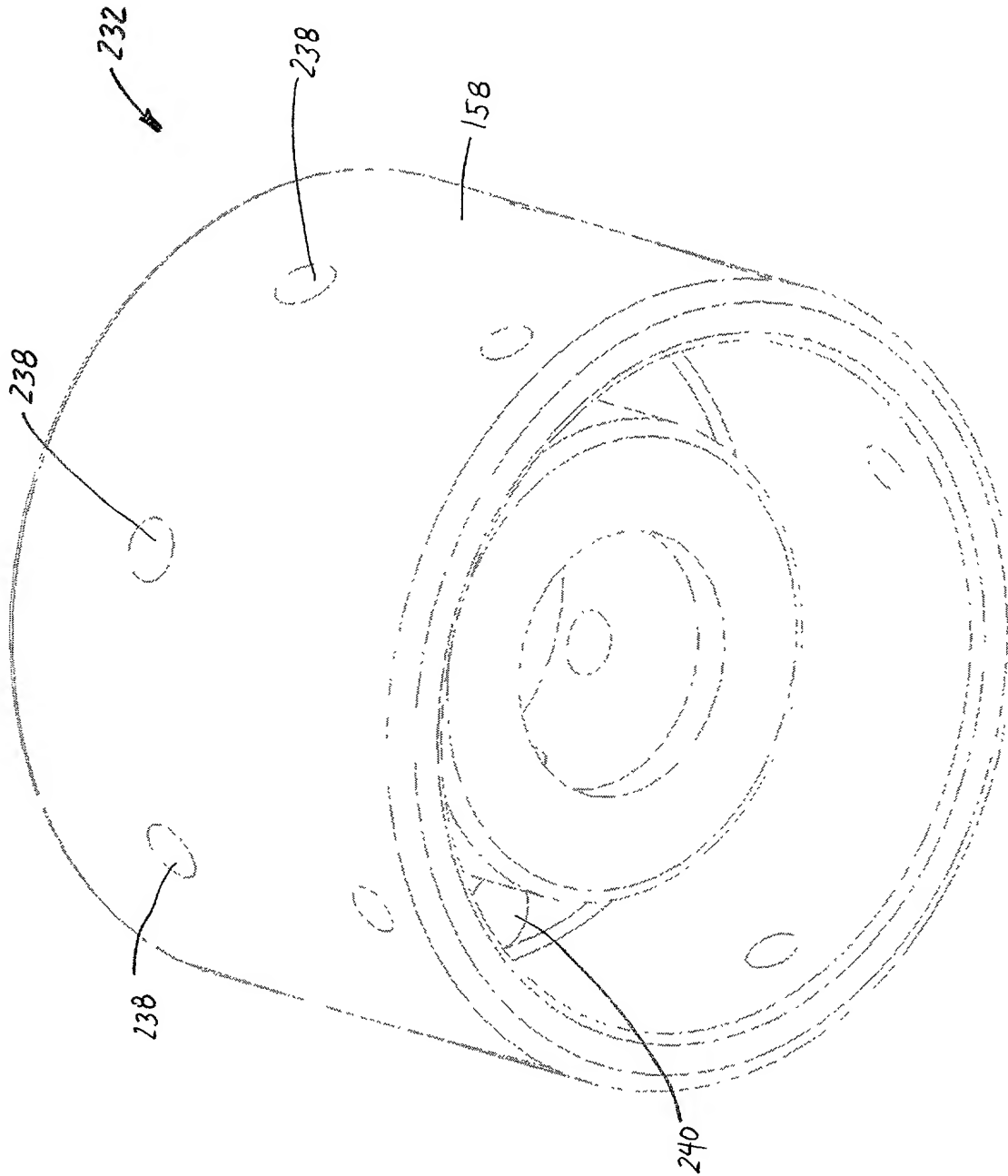


Figure 20

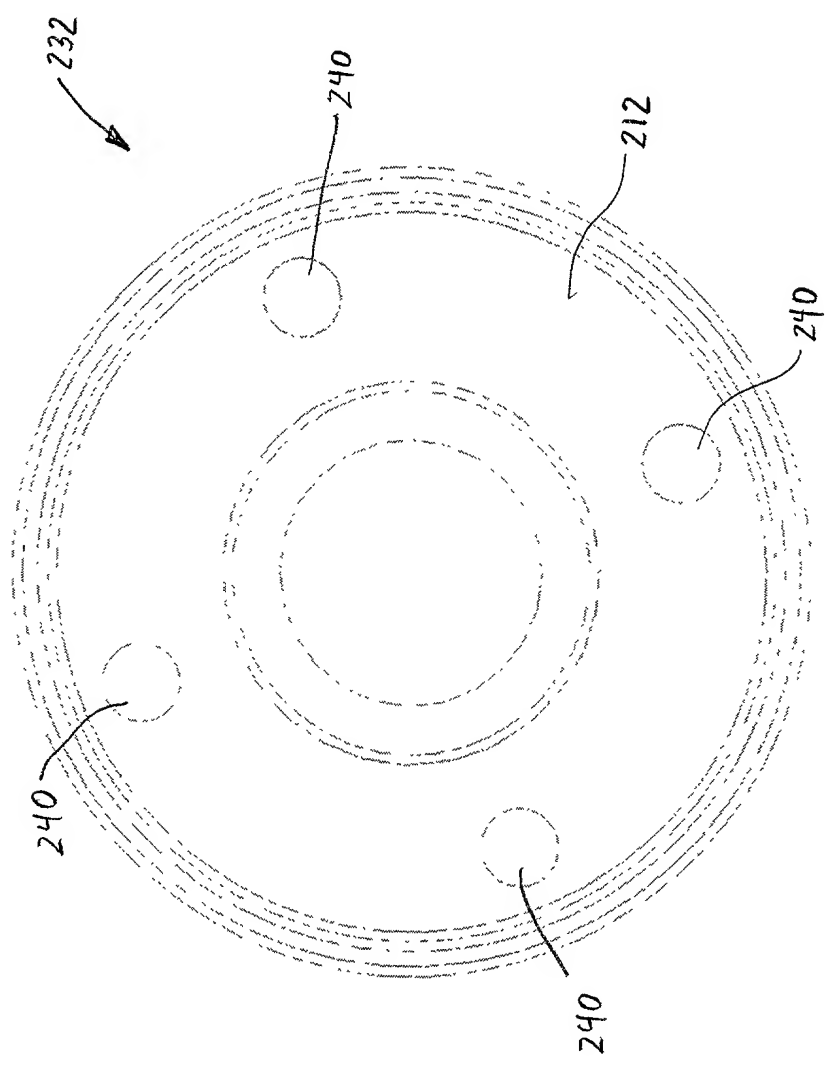


Figure 21

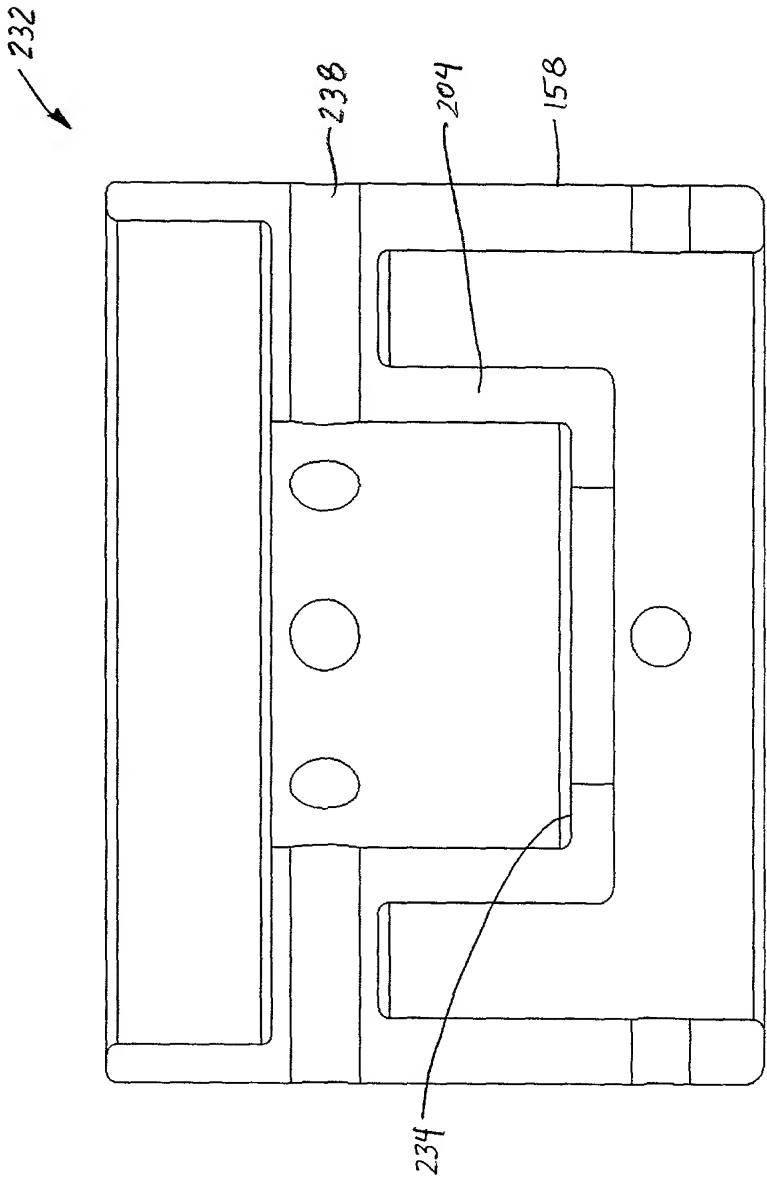


FIGURE 22

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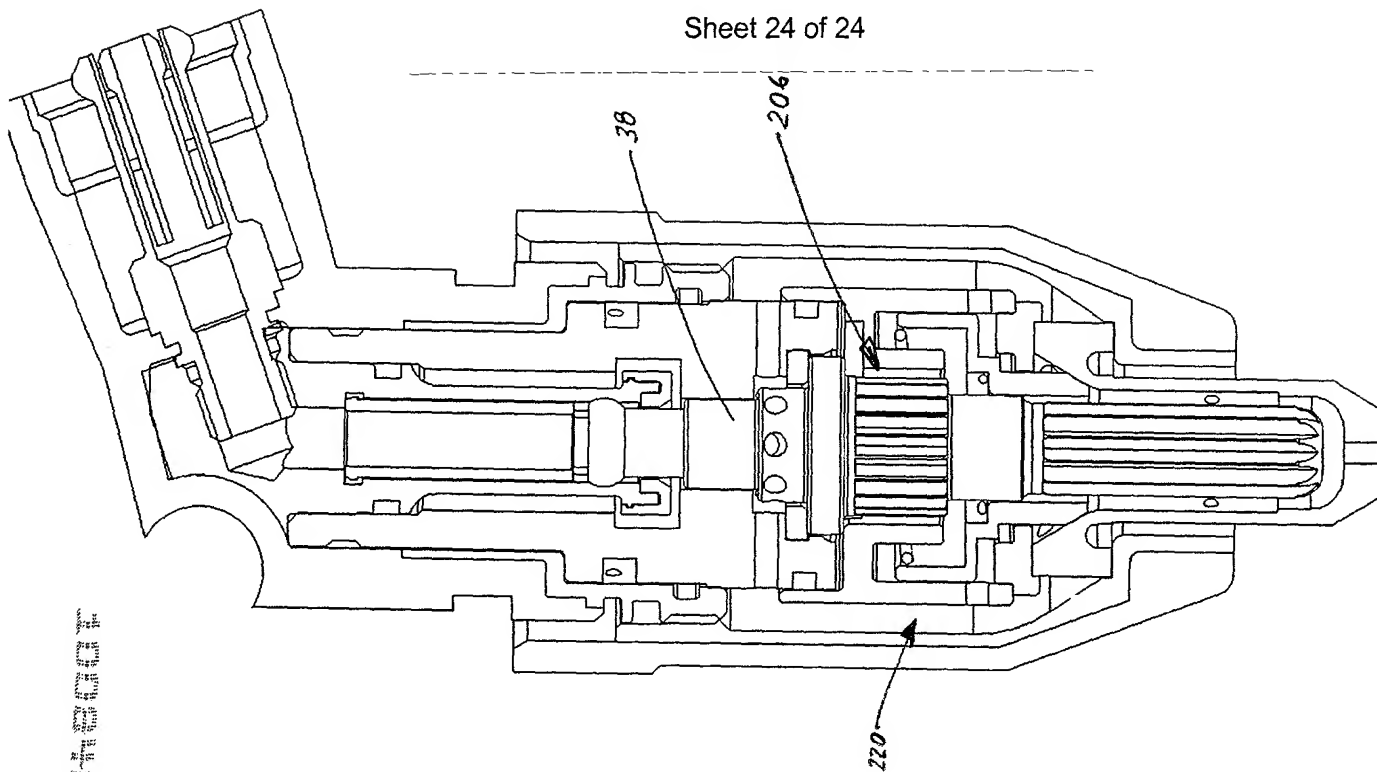


FIGURE 23B

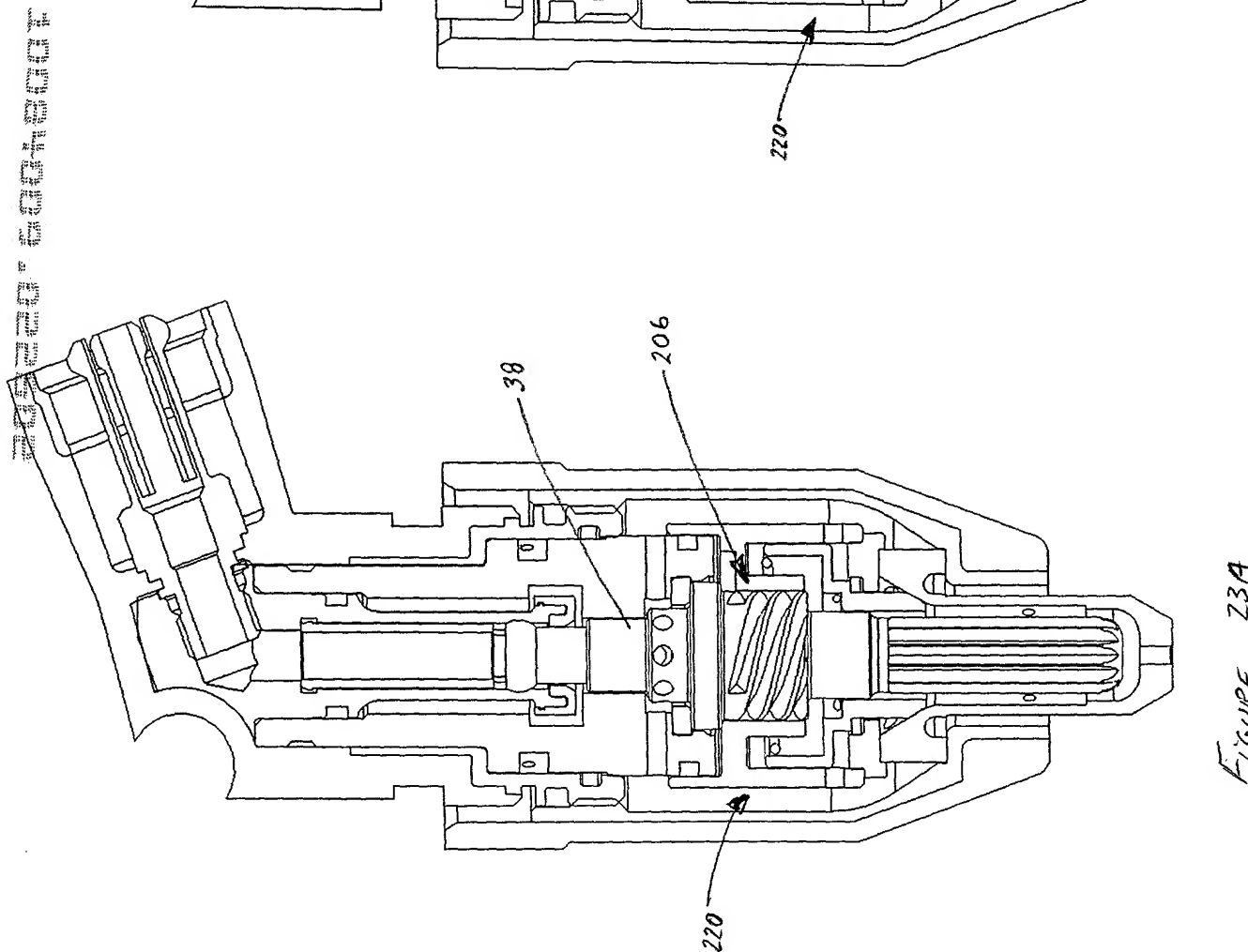


FIGURE 23A